|             | Index of Claims              |          |  |          |                |          |  |              |   |            |            |            |          | Аррисацол но. |                    |                     |              |         |               |   |              |                      |    | Applicants) |                   |                 |          |   |         |                    |               |          |          |   |   |
|-------------|------------------------------|----------|--|----------|----------------|----------|--|--------------|---|------------|------------|------------|----------|---------------|--------------------|---------------------|--------------|---------|---------------|---|--------------|----------------------|----|-------------|-------------------|-----------------|----------|---|---------|--------------------|---------------|----------|----------|---|---|
|             |                              |          |  |          |                |          |  |              |   |            |            |            |          |               | 10/687,138         |                     |              |         |               |   |              |                      |    |             | KERSTETTER ET AL. |                 |          |   |         |                    |               |          |          |   |   |
|             | [E                           |          |  |          |                |          |  |              |   |            |            |            |          |               | Examiner           |                     |              |         |               |   |              |                      |    |             |                   | t U             |          |   |         | T                  |               |          |          |   |   |
|             |                              |          |  |          |                |          |  |              |   |            |            |            |          |               | Michael C. Miggins |                     |              |         |               |   |              |                      |    | 4770        |                   |                 |          |   |         |                    |               |          |          |   |   |
| <del></del> |                              |          |  |          |                |          |  |              |   |            |            |            |          |               | MI                 | ana                 | 361          | U.      | , Miggins - " |   |              |                      |    |             | 1772              |                 |          |   |         |                    |               |          |          |   |   |
|             |                              |          |  |          |                |          |  |              |   |            |            |            |          |               |                    | ٦                   | Г            | Т       | <del>Γ</del>  |   |              |                      |    | П           |                   |                 | _        |   | -       | 1                  |               |          |          |   |   |
|             | ✓ Rejected _ (Through numeri |          |  |          |                |          |  |              |   |            |            |            |          | era           | H)                 |                     | <b> </b>     |         | Non-Elected   |   |              | bet                  | d  | A           | Appeal            |                 |          |   |         |                    |               |          |          |   |   |
|             |                              |          |  |          |                |          |  |              |   |            |            |            |          | ┨             | F                  | +                   |              |         |               |   | !            | Н                    |    |             |                   |                 |          |   |         |                    |               |          |          |   |   |
|             | = Allowed                    |          |  |          |                |          |  |              |   | +          |            | Restricted |          |               |                    |                     |              | 1       | 1             | ۱ | Interference |                      |    | СЭ          |                   | 0               | Objected |   |         |                    |               |          |          |   |   |
|             |                              |          | Ш  |          |                |          | _                                      | J            |   | L          | Ĺ <u></u>  |            |          |               |                    |                     | ل            | L       | 1             |   |              |                      | J  |             | Ш                 | <u> </u>        |          |   | j       |                    |               |          |          |   |   |
| 1           | CI                           | im       | Г  | _        |                | _        | Dat                                    | <del>-</del> | _ | -          |            |            |          | laim          |                    |                     |              | Da      | de            |   |              | <u> </u>             | Ħ  | Cla         | im                | Γ               |          |   | Da      | te                 |               |          |          |   |   |
|             | 12                           |          |  | ڏ        | 3/10/01/8      |          |  | П            |   |            | Π          |            |          |               | П                  | Т                   | Т            | T       | Τ             | T | T            | П                    |    |             |                   | П               | TIT      |   |         | Τ                  |               |          | ٦        |   |   |
|             | Final                        | Original | 13   | ઝ        | 9/1            |          |  |              | l |            |            |            | Find     | Original      | 1                  | ١                   | ł            | l       | ı             | 1 |              |                      |    | F) 18       | Original          |                 |          |   | 1       |                    |               |          | ١        |   |   |
|             |                              | ŏ        | 110  | 318      | 1/8            |          |  |              | ı |            | ı          |            |          | õ             |                    | ١                   | 1            | 1       | ı             | 1 | ı            |                      |    | "           | ŏ                 | П               |          |   |         |                    |               | ŀ        | ľ        |   |   |
|             |                              | •        | V  | Ż        | V              |          |  |              |   |            |            |            |          | 51            |                    | 1                   | 士            | 1       | İ             | 1 | 土            |                      |    |             | 101               |                 | 土        | 土 | 工       |                    |               |          | コ        |   |   |
|             |                              | ~        | H  | Щ        |                |          | _                                      |              | L | L          | L          |            |          | 52            | $\dashv$           | 4                   | +            | +       | 4             | 4 | 4            | +                    |    |             | 102<br>103        | ┞┤              | 4        | + | +       | ╀                  | Н             | H        | ᅴ        |   |   |
|             | _                            | 3        | Н  |          | 1              |          | ⊢                                      | Н            | ┝ | -          | ┝          |            |          | 53<br>54      | $\dashv$           | +                   | ╁            | ┿       | ┿             | + | ╫            | ╂╢                   | ⊪  | $\dashv$    | 103               | Н               | +        | 十 | ╁       | ╁                  | Н             | H        | ┨        |   |   |
|             |                              | 5        | Ш  | -        | 7              |          |  |              |   |            |            |            |          | 55            | $\Box$             | I                   | 土            | 工       | 1             | 1 | 土            |                      |    |             | 105               |                 | 士        | I | T       | L                  |               |          | コ        |   |   |
|             |                              | 8        | П  | $\perp$  | П              |          |  |              | L | lacksquare | lacksquare |            |          | 56            | $\Box$             | 4                   | 4            | $\bot$  | 1             | 1 | $\bot$       | $oldsymbol{\perp}$   |    | $\dashv$    | 106               | Ш               | +        | 1 | ╀       | ╀                  | Н             | Н        | 4        | • |   |
|             |                              | 7        | Н  | +        | Н              | Н        | ┞                                      | Н            | ┝ | ┝          | H          |            |          | 57<br>58      | $\dashv$           | ┽                   | ╅            | ╁       | ╁             | ╁ | ╁            | ╂                    |    |             | 107               | Н               | +        | + | +       | ╁                  | Н             | Н        | ┥        |   |   |
|             |                              | 9        | Н  | 1        | Н              |          |  |              |   |            |            |            |          | 59            |                    | 1                   | 1            | $\pm$   | T             | † | 士            | T                    |    |             | 109               |                 | 士        | 土 | t       | t                  |               | Ħ        | ╛        |   | , |
|             |                              | 10       | П  |          |                |          |  |              |   |            |            |            |          | 60            | $\Box$             | $\rightrightarrows$ | $\downarrow$ | $\perp$ | Ţ             | Ţ | Ţ            | $\Box$               |    |             | 110               |                 | $\dashv$ | 1 | $\perp$ | Ţ                  |               | П        | $\dashv$ |   |   |
|             |                              | 11       | Ш  | ₽        | Щ              |          | <u> </u>                               | H            | ┞ | $\vdash$   | ┡          |            |          | 61<br>62      | +                  | +                   | +            | +       | ╀             | ╀ | ╀            | ╂╌╢                  |    |             | 111               |                 | +        | + | ╀       | ╀                  | $\vdash$      | Н        | $\dashv$ |   |   |
|             |                              | 13       | Н  | Н        | Н              | Н        | ┢                                      | $\vdash$     | 一 | ┢          | ┢          |            |          | 83            | -                  | +                   | 十            | +       | +             | † | +            | H                    |    |             | 113               | Н               | +        | + | T       | t                  |               |          |          |   |   |
|             |                              | 14       | Ш  |          |                |          | 匚                                      |              |   |            |            |            |          | 64            | $\Box$             | 1                   | 1            | 1       | I             | 1 | 工            |                      |    |             | 114               | 回               | 1        | I | I       | L                  |               |          | コ        |   | ٠ |
|             |                              | 15<br>16 | Ш  | H        | Ш              | _        | -                                      |              | L | ┡          | L          |            |          | 65<br>66      | $\dashv$           | 4                   | +            | ╁       | ╄             | + | +            | ┦                    |    | $\dashv$    | 115<br>116        | Н               | ┵        | + | ╀       | ╀                  | $\vdash$      | Н        | -1       |   |   |
|             |                              | 17       | Н  | H        | Н              | -        | ┝                                      | H            | ┢ | ╁╴         | ┝          |            |          | 67            | +                  | ╅                   | +            | ┿       | 十             | † | ╁            | ┼┤                   |    | $\dashv$    | 117               | Н               | 十        | 十 | 十       | ╁╴                 | H             | H        | ᅥ        |   |   |
|             |                              | 18       | Ш  | $\Box$   |                |          |  |              |   |            |            |            |          | 68            | $\Box$             | 1                   | 1            | I       | T             | 1 | 1            |                      |    |             | 118               |                 | 二        | 1 | I       | I                  |               |          | コ        |   |   |
|             |                              | 19       |  | Ц        | ${}^{\dagger}$ |          |  |              | L | Ļ          | L          |            |          | 89            | $\dashv$           | 4                   | +            | +       | ╀             | + | ╀            | lacksquare           |    |             | 119<br>120        | $\vdash \vdash$ | +        | + | ╄       | ╀                  | Н             | Н        | 긕        |   |   |
|             |                              | 20<br>21 | ۲  | Н        | Н              | -        | ⊢                                      | H            | ┝ | ┝          | ⊢          |            |          | 70<br>71      | +                  | ╅                   | ╅            | ┿       | ╁             | ╁ | ╁            | ╁┤                   | ⊪  |             | 121               | $\vdash$        | ╁        | ╁ | ╁       | ╁╴                 | H             | H        | ┥        |   |   |
|             |                              | 22       |  | ١        | į              |          |  |              |   |            |            |            |          | 72            |                    | 1                   | I            | 土       | I             | 1 | 士            |                      |    |             | 122               |                 |          | I | I       |                    |               |          | $\Box$   |   | - |
|             |                              | 23       |  |          |                |          |  | $oxed{\Box}$ | L | L          | L          |            |          | 123           | $\dashv$           | 4                   | 4            | +       | Ţ             | 1 | -            | Н                    |    | _           | 123               | Ы               | 4        | + | +       | ╄                  | H             | $\vdash$ | ⊣        |   |   |
|             |                              | 24<br>25 | Н  | H        | $\vdash$       | -        | $\vdash$                               | H            | ┝ | ┝          | ┝          |            |          | 74<br>75      | ┥                  | +                   | +            | ┿       | +             | + | ╁            | +                    |    | -           | 124<br>125        | Н               | ╅        | ╁ | ╁       | ╁╌                 | Н             | Н        | ᅥ        |   |   |
|             |                              | 26       |  | Ш        |                |          |  |              |   |            |            |            |          | 76            |                    | 士                   | 土            | 土       | İ             | 1 | 工            |                      |    |             | 128               |                 | 士        | 1 |         | Ι                  |               |          | コ        |   |   |
|             |                              | 27       |  |          |                |          | L                                      |              |   | L          | lacksquare |            |          | 77            | $\Box$             | 4                   | 1            | Ļ       | $\bot$        | 1 | $\bot$       |                      |    |             | 127               | Н               | 4        | + | 4-      | ╄                  | ╀             | Н        | 4        |   |   |
|             |                              | 29<br>29 | Н  | -        | $\vdash$       | -        | ┝                                      | ┝            | ┞ | ┢          | ├          |            |          | 78<br>79      | $\dashv$           | +                   | +            | ╁       | +             | ╫ | ┿            | ╁┤                   | ₽  |             | 128<br>129        | Н               | ┽        | ╌ | ╁       | ╁                  | ╀             | Н        | ⊣        |   |   |
|             |                              | 30       | Н  |          | Н              | _        | t.                                     |              | H |            | H          |            |          | 80            |                    | 士                   | 1            | 土       | İ             | 1 | $\pm$        |                      |    |             | 130               |                 | 士        | 土 | 土       | t                  |               |          | ╛        |   |   |
|             |                              | 31       |  |          |                |          |  |              |   |            |            |            |          | 81            | $\Box$             | $\Box$              | I            | T       | T             | Ţ | T            | $\Box$               |    |             | 131               | П               | 4        | 1 | T       | $oldsymbol{\perp}$ | $\perp$       |          | 4        |   |   |
|             |                              | 32       | -  | H        | ┝              | L        | ┞                                      | ┡            | ┝ | ╀          | ┞          |            |          | 83            | $\vdash$           | +                   | +            | ┿       | ╀             | + | ╀            | ╁╌┇                  |    |             | 132<br>133        | Н               | $\dashv$ | ╫ | ╁       | ╀                  | ╁             | Н        |          |   |   |
|             |                              | 34       | $\vdash$   | Н        | $\vdash$       |          | H                                      | ┢            | ┢ | ┢          | H          |            | _        | 84            |                    | +                   | +            | +       | +             | ╈ | ╪            | +                    |    |             | 134               | Н               | 十        | + | +       | t                  | T             | Н        | $\dashv$ |   |   |
|             |                              | 35       |  | Ш        |                |          |  |              |   |            |            |            |          | 85            |                    |                     | ユ            | 工       | I             | 1 |              | П                    | I  |             | 135               |                 | 工        | 1 | I       | L                  | $\Box$        |          | $\Box$   |   |   |
|             |                              | 38       | $oxed{\Box}$                                     |          |                | _        | L                                      | 1            | L | -          | _          |            |          | 86            |                    | 4                   | 4            | 4       | +             | + | 4            | 1-4                  |    |             | 136<br>137        | Н               | +        | + | ╀       | ╀                  | Н             | Н        | -1       |   |   |
|             | -                            | 37<br>38 | $\vdash$   | ┝        | ┝              | ┝        | ┞                                      | ╁            | ┝ | ╁╴         | ╁╴         |            |          | 87<br>88      | -                  | ╅                   | +            | ┿       | +             | ╁ | ╁            | H                    |    |             | 138               | Н               | $\dashv$ | + | 十       | ╁                  | ╁             | Н        | $\dashv$ |   |   |
|             |                              | 39       |  |          |                |          | I                                      | L            |   | İ          |            |            |          | 89            |                    | I                   | I            | 土       | 1             | I | 土            |                      |    |             | 139               |                 |          |   | 1       | Ĺ                  |               |          |          |   |   |
| !           |                              | 40       |  |          |                |          |  | L            | Г | Ļ          |            |            |          | 90            | Ц                  | 4                   | 1            | $\bot$  | Ţ             | 1 | $\perp$      | Ц                    |    |             | 140               | Ш               | 4        | 1 | ╀       | ╄                  | ╀             | Н        | ᅱ        |   |   |
|             | -                            | 41       | $\vdash$   | $\vdash$ | $\vdash$       | ┝        | ┝                                      | +            | ┝ | ╁          | ⊢          |            | Ŀ        | 91<br>92      | Н                  | ┥                   | +            | +       | +             | + | ╀            | +                    |    | -           | 141               | Н               | +        | + | +       | +                  | $\vdash$      | Н        | ᅱ        |   |   |
|             | $\vdash$                     | 43       | <del>                                     </del> | H        | H              |          | t                                      | H            | t | T          | T          |            | <u> </u> | 83            | H                  | _                   | +            | †       | 士             | t | 士            | $\Box$               | 3  |             | 143               | H               | 士        | 士 | 1       | 1                  |               | Ħ        |          |   |   |
|             |                              | 44       | $\Box$   |          |                |          | L                                      |              |   | L          |            |            |          | 94            |                    | 耳                   | 1            | I       | I             | I | Ţ            | П                    |    |             | 144               | П               | $\Box$   | Ţ | T       | I                  | $\Box$        | П        | $\Box$   |   |   |
|             |                              | 45<br>48 | 1  | H        | H              | L        | $\vdash$                               | 1            | ┡ | <b>├</b>   | -          |            | ļ        | 88            | Н                  | 4                   | +            | +       | ╀             | + | +            | ╁┪                   |    | -           | 145<br>146        | Н               | +        | + | ╀       | ╀                  | +-            | Н        | ᅱ        |   |   |
|             | _                            | 45       | +  | $\vdash$ | $\vdash$       | 1        | $\vdash$                               | ╁╴           | ۲ | 十          | $\vdash$   |            |          | 97            | H                  | +                   | +            | +       | 十             | + | +            | +                    |    |             | 147               | H               | +        | + | +       | 十                  | ${\mathsf T}$ | H        | $\dashv$ |   |   |
|             |                              | 48       |  |          |                |          |  |              |   |            |            |            |          | 98            |                    | 1                   | コ            | I       | I             | 1 | 1            |                      |    |             | 148               |                 |          | T | Ţ       | T                  | $\Box$        | 口        |          |   |   |
|             | <u> </u>                     | 49       | Ĺ  | Ĺ        | L              | <u> </u> | F                                      | F            | L | F          | 1          |            |          | 8             | Ц                  | 4                   | 4            | 1       | Ţ             | 1 | Ţ            | $oldsymbol{\square}$ |    |             | 149               | Н               | -        | 4 | +       | 4                  | -             | Н        | 4        |   |   |
|             | Щ                            | 50       | ــــــــــــــــــــــــــــــــــــــ           | _        | Ц_             | <u> </u> | ــــــــــــــــــــــــــــــــــــــ | <u>_</u>     | _ | <u>_</u>   | <u></u>    | ]          | Ц_       | 100           | Ц                  |                     |              | Д.      | _اـــ         |   | ㅗ            | الله                 | == |             | 150               | لـــا           |          | ㅗ |         | _ـــ               | 1             | Ш        | ئ        |   |   |